

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 1 of 1

Application Number	10/777310
Filing Date	February 12, 2004
First Named Inventor	Gorden, Keith B.
Art Unit	1615
Examiner Name	Unknown
Attorney Case Number	58232US004

## U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
<i>JS</i>	A1	US- 2003/0022302 A1	01-30-2003	Lewis et al.	<i>6</i>
<i>JS</i>	A2	US- 2004/0023870 A1	02-05-2004	Dedera et al.	<i>1</i>
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			

## Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-Kind Code (if known)				
<i>JS</i>	B1	WO	03/089602	10-30-2003	<i>1</i>	<i>1</i>	
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						

## OTHER DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
<i>JS</i>	C1	Akira S. et al., "Recognition of pathogen-associated molecular patterns by TLR family", <u>Immunology Letters</u> , 2003, Vol. 85, pgs. 85-95.	
<i>JS</i>	C2	Ozinsky A. et al., "The repertoire for pattern recognition of pathogens by the innate immune system is defined by cooperation between Toll-like receptors", <u>Proc. Nat. Acad. Sci.</u> , December 2000, Vol. 97, No. 25, pgs. 13766-13771.	
	C3		

\*Examiner:

*Hope Robinson*

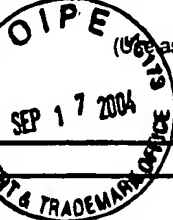
Date Considered:

*10/28/05*

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	A1	US-			
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	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			

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	C1	Lee et al., "Saturated Fatty Acid Activates but Polyunsaturated Fatty Acid Inhibits Toll-like Receptor 2 Dimerized with Toll-like Receptor 6 or 1", <u>The Journal of Biological Chemistry</u> , Vol. 279, No. 17, pp. 16971-16979.	
	C2	Fonteneau et al., "Human Immunodeficiency Virus Type 1 Activates Plasmacytoid Dendritic Cells and Concomitantly Induces the Bystander Maturation of Myeloid Dendritic Cells", <u>Journal of Virology</u> , Vol. 78, No. 10, pp. 5223-5232.	
	C3		

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<input checked="" type="checkbox"/>	A30	US- 6,113,918	09-05-2000	Johnson et al.	
<input checked="" type="checkbox"/>	A31	US- 6,194,388 B1	02-27-2001	Krieg et al.	
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<input checked="" type="checkbox"/>	A33	US- 6,200,592 B1	03-13-2001	Tomai et al.	
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<input checked="" type="checkbox"/>	A42	US- 6,376,501 B1	04-23-2002	Isobe et al.	
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<input checked="" type="checkbox"/>	A45	US- 6,406,705 B1	06-18-2002	Davis et al.	
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<input checked="" type="checkbox"/>	A49	US- 6,451,810 B1	09-17-2002	Coleman et al.	
<input checked="" type="checkbox"/>	A50	US- 6,514,985 B1	02-04-2003	Gerster et al.	
<input checked="" type="checkbox"/>	A51	US- 6,518,265 B1	02-11-2003	Kato et al.	
<input checked="" type="checkbox"/>	A52	US- 6,518,280 B2	02-11-2003	Gerster et al.	
<input checked="" type="checkbox"/>	A53	US- 6,525,028 B1	02-25-2003	Johnson et al.	
<input checked="" type="checkbox"/>	A54	US- 6,525,064 B1	02-25-2003	Dellaria et al.	
<input checked="" type="checkbox"/>	A55	US- 6,541,485 B1	04-01-2003	Crooks et al.	
<input checked="" type="checkbox"/>	A56	US- 6,545,016 B1	04-08-2003	Dellaria et al.	
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<input checked="" type="checkbox"/>	A58	US- 6,558,951 B1	05-06-2003	Tomai et al.	

\*Examiner: *Apri P. Poma*Date Considered: *10/28/05*

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Information Disclosure Statement — PTO-1449 (Modified)

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Application Number	10/777,310
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In re Application of:	Keith B. Gorden, Xiaohong Qui and John P. Vasilakos
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<input checked="" type="checkbox"/>	A59	US- 6,573,273 B1		06-03-2003	Crooks et al.	
<input checked="" type="checkbox"/>	A60	US- 6,649,172 B2		11-18-2003	Johnson	
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<input checked="" type="checkbox"/>	A71	US- 6,677,349 B1		01-13-2004	Griesgraber	
<input checked="" type="checkbox"/>	A72	US- 6,683,088 B2		01-27-2004	Crooks et al.	
<input checked="" type="checkbox"/>	A73	US- 2002/0016332 A1		02-07-2002	Slade	
<input checked="" type="checkbox"/>	A74	US- 2002/0055517 A1		05-09-2002	Smith	
<input checked="" type="checkbox"/>	A75	US- 2002/0058674 A1		05-16-2002	Hedenstrom et al.	
<input checked="" type="checkbox"/>	A76	US- 2002/0110840 A1		08-15-2002	Tomai et al.	
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<input checked="" type="checkbox"/>	A80	US- 2003/0199461 A1		10-23-2003	Averett et al.	
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<input checked="" type="checkbox"/>	B1	EP	0 394 026	10-24-1990			X
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Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
<input checked="" type="checkbox"/>	C1	Testerman, et al., "Cytokine Induction by the Immunomodulators Imiquimod and S-27609", <u>Journal of Leukocyte Biology</u> , Volume 58, pp. 365-372, September 1995.

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<i>[Signature]</i>	C2	Chollet, et al, "Development of a Topically Active Imiquimod Formulation", <u>Pharmaceutical Development and Technology</u> , 4(1), pp 35-43 (1999)
	C3	Brassard et al.; "Interferon- $\alpha$ as an immunotherapeutic protein"; <u>Journal of Leukocyte Biology</u> ; Vol. 71; April 2002; pgs. 565-581
	C4	Izumi et al.; "1H-imidazo[4,5-c]quinoline Derivatives as Novel Potent TNF- $\alpha$ Suppressors: Synthesis and Structure-Activity Relationship of 1-, 2-and 4-Substituted 1H-imidazo[4,5-c]quinolines or 1H-imidazo[4,5-c]pyridines"; <u>Bioorganic and Medicinal Chemistry</u> , Vol. 11, pp. 2541-2550 (2003).
	C5	Homung et al., "Quantitative Expression of Toll-Like Receptor 1-10 mRNA in Cellular Subsets of Human Peripheral Blood Mononuclear Cells and Sensitivity to CpG Oligodeoxynucleotides", <u>The Journal of Immunology</u> , 2002, 168; pgs. 4531-4537.
	C6	Hemmi et al., "Small anti-viral compounds activate immune cells via the TLR7 MyD88-dependent Signaling pathway", <u>Nature Immunology</u> , vol. 3, no. 2; February 2002; pgs. 196-200.
	C7	Medzhitov, "Toll-Like Receptors and Innate Immunity", <u>Nature Reviews Immunology</u> , Vol. 1; November 2001, pgs. 135-145.
	C8	Jurk et al. "Human TLR7 and TLR8 independently confer responsiveness to the antiviral compound R-848", <u>Nature Immunology</u> , June 2002, vol. 3, no. 6; pg. 1.
	C9	Akira et al., "Toll-like receptors: critical proteins linking innate and acquired immunity", <u>Nature Immunology</u> , August 2001, vol. 2, no. 8; pgs. 675-680
	C10	Heil et al.; "Synthetic immunostimulatory compounds activate immune cells via TLR7 and TLR8"; 33th Annual Meeting of the Deutsche Gesellschaft für Immunologie, Marburg 2002 - Abstract C.6

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